

**KNI-152-A**

DT07 Rec'd PCT/PTO 2 1 JUN 2004

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Fujimoto et al.  
Serial Number: 09/857,382  
Filed: 23 July 2001  
Confirmation Number: 4726  
Group Art Unit: 1775  
Examiner: A. T. Piziali  
Title: Hydrophilic Member

**FOURTH REQUEST FOR "UPDATED" FILING RECEIPT**

Commissioner For Patents  
Post Office Box 1450  
Alexandria, Virginia 22313-1450

**RECEIVED**

27 JUL 2004

copy (5 pages) by facsimile to  
Under Secretary Of Commerce For Intellectual Property  
And Director Of The United States Patent  
And Trademark Office at 703.305.8664

Legal Staff  
International Division

Sir:

With respect to the identified patent application, applicant respectfully again requests an updated filing receipt showing the following information:

Under "**Applicant(s)**", please add the names of the fourth through seventh inventors:

Keisuke Tanaka, Osaka, JAPAN;  
Etsuo Ogino, Osaka, JAPAN;  
Kenji Mori, Osaka, JAPAN;  
Masahiro Hirata, Osaka, JAPAN

Although applicant submitted the names of all seven inventors by way of an Application Data Sheet, filed concurrently with the application on 01 June 2001, the filing receipt received after filing the Notification Of Missing Requirements only named three of the inventors. The missing requirements were filed on time, but to date applicant has not received an updated filing receipt naming all seven inventors.

Applicant has previously filed a Request For "Updated" Filing Receipt on 19 August 2002, a Second Request For "Updated" Filing Receipt on 14 April 2003, and a Third

Request For "Updated" Filing Receipt on 28 November 2003. To date applicant has not received an updated filing receipt naming all seven inventors.

Applicant encloses a hand-amended copy of the preliminary filing receipt showing the requested corrections.

Applicant also encloses a copy of the current information (printed this very day) available through Private PAIR, which not only still fails to name the fourth through seventh inventors, but also still lists the incorrect PCT filing date, and lacks both the PCT application number and the assignee information.

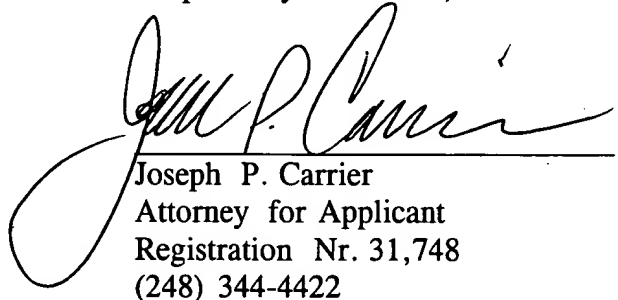
Applicant further encloses a copy of the first page of the PCT publication (WO00/32391) for the prior PCT application, PCT/JP99/06675, which names all seven inventors.

Because this application was filed more than three (3) years ago, and because this application has already been examined and is now under appeal, applicant again urgently requests the Patent Office to issue an "updated" filing receipt for the referenced application, naming all seven inventors.

Favorable consideration is again respectfully requested.

Respectfully submitted,

Customer Number 21828  
Carrier, Blackman & Associates, P.C.  
24101 Novi Road, Suite 100  
Novi, Michigan 48375  
17 June 2004

  
\_\_\_\_\_  
Joseph P. Carrier  
Attorney for Applicant  
Registration Nr. 31,748  
(248) 344-4422

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner For Patents, Post Office Box 1450, Alexandria, Virginia 22313-1450 on 17 June 2004. I also hereby certify that a copy of this correspondence is being transmitted by facsimile to Under Secretary Of Commerce For Intellectual Property And Director Of The United States Patent And Trademark Office at facsimile number 703.305.8664 on 17 June 2004.

Dated: 17 June 2004  
JPC/eb  
enclosures

  
\_\_\_\_\_  
Erica Briggs



## UNITED STATES PATENT AND TRADEMARK OFFICE

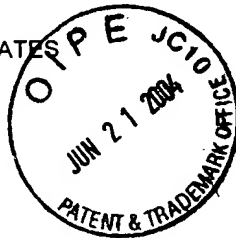
COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/857,382	07/23/2001	1775	990	KNI-152-A	1	1	1

CONFIRMATION NO. 4726

21828

CARRIER BLACKMAN AND ASSOCIATES  
24101 NOVI ROAD  
SUITE 100  
NOVI, MI 48375



## FILING RECEIPT



\*0C000000006405623\*

RECEIVED AUG 16 2001

Date Mailed: 08/09/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Hidefumi Fujimoto, Fukuoka, JAPAN;  
Kazuo Takahashi, Fukuoka, JAPAN;  
Koji Takeda, Fukuoka, JAPAN;

Keisuke Tanaka, Osaka, JAPAN;  
Etsuo Ogino, Osaka, JAPAN;  
Kenji Mori, Osaka, JAPAN;  
Masahiro Hirata, Osaka, JAPAN

## Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/JP99/06675 11/30/1999

## Foreign Applications

JAPAN 10/343688 12/03/1998  
JAPAN 11/95014 04/01/1999

Projected Publication Date: N/A

Non-Publication Request: No

Early Publication Request: No

## Title

Hydrophilic member

## Preliminary Class

428

Data entry by : NGUYEN, SON

Team : OIPE

Date: 08/09/2001

INCORRECT FILING RECEIPT COPY

 not  
OK

PCT

世界知的所有権機関  
国際事務局

特許協力条約に基づいて公開された国際出願



(51) 国際特許分類7

B32B 9/00, 15/04, 17/06, 18/00

A1

(11) 国際公開番号

WO00/32391

(43) 国際公開日

2000年6月8日(08.06.00)

INVENTORS

(21) 国際出願番号

PCT/JP99/0667

(22) 国際出願日

1999年11月30日(30.11.99)

(30) 優先権データ

特願平10/343688

1998年12月3日(03.12.98)

特願平11/95014

1999年4月1日(01.04.99)

(71) 出願人 (米国を除くすべての指定国について)

東陶機器株式会社(TOTO LTD.)(JP/JP)

〒802-8601 福岡県北九州市小倉北区中島2丁目1番1号

Fukuoka, (JP)

日本板硝子株式会社 (NIPPON SHEET GLASS CO., LTD.)(JP/JP)

〒541-0045 大阪府大阪市中央区道修町3丁目5番11号 Osaka, (JP)

(72) 発明者: および

(75) 発明者/出願人 (米国についてのみ)

藤本英史(FUJIMOTO, Hidefumi)(JP/JP)

高橋一雄(TAKAHASHI, Kazuo)(JP/JP)

武田宏二(TAKEDA, Koji)(JP/JP)

〒802-8601 福岡県北九州市小倉北区中島2丁目1番1号

東陶機器株式会社内 Fukuoka, (JP)

INVENTORS

田中啓介(TANAKA, Keisuke)(JP/JP)

荻野悦男(OGINO, Etsuo)(JP/JP)

森 健次(MORI, Kenji)(JP/JP)

平田昌宏(HIRATA, Masahiro)(JP/JP)

〒541-0045 大阪府大阪市中央区道修町3丁目5番11号

日本板硝子株式会社内 Osaka, (JP)

(74) 代理人

弁理士 小山 有(KOYAMA, Yuu)

〒160-0004 東京都新宿区四谷二丁目9番

四谷高木ビル2階 Tokyo, (JP)

(81) 指定国 AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, 欧州特許 (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG), ARIPO特許 (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), ユーラシア特許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM)

添付公開書類

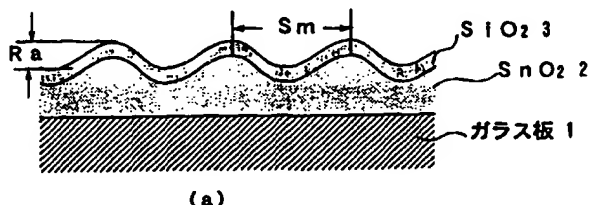
国際調査報告書

(54)Title: HYDROPHILIC MEMBER

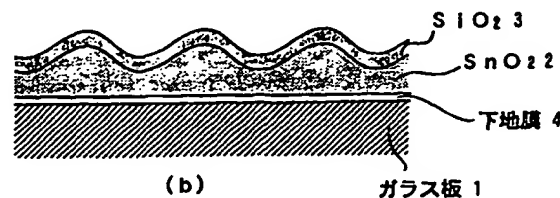
(54)発明の名称 親水性部材

(57) Abstract

A hydrophilic member comprising a glass plate (1) as a substrate, a tin(II)oxide ( $\text{SnO}_2$ ) film (2) formed on the glass plate and a silicon oxide ( $\text{SiO}_2$ ) film (3) formed on the tin(II)oxide ( $\text{SnO}_2$ ) film (2) as an overcoat layer thereof, wherein the glass plate (1) is made from a soda glass containing  $\text{SiO}_2$  as the main component thereof, the tin(II)oxide ( $\text{SnO}_2$ ) film (2) is formed, for example, by the CVD method and has a thickness of 10 to 800 nm and an average surface roughness ( $R_a$ ) of 0.5 to 25 nm and the silicon oxide ( $\text{SiO}_2$ ) film (3) is formed by using sputtering deposition and has a thickness of 0.1 to 100 nm and an average surface roughness ( $R_a$ ) of 0.5 to 25 nm. The average surface roughness ( $R_a$ ) of the silicon oxide ( $\text{SiO}_2$ ) film (3) is the same as that of the tin(II)oxide ( $\text{SnO}_2$ ) film (2), since the silicon oxide ( $\text{SiO}_2$ ) film (3) is formed on the tin(II)oxide ( $\text{SnO}_2$ ) film (2), which results in that the irregularity of the tin(II)oxide ( $\text{SnO}_2$ ) film (2) is transferred, as it is, to the silicon oxide ( $\text{SiO}_2$ ) film (3). The hydrophilic properties of the member has advantages in that, after washing operation, it can be recovered in an extremely short time and also the hydrophilic properties thus recovered are durable for a long period of time.



(a)



(b)

ガラス板 1

1 ... GLASS PLATE

4 ... UNDER COATING FILM

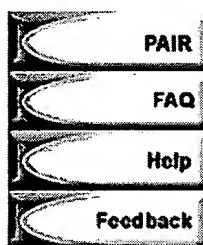
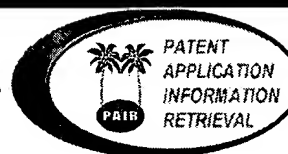
FILED IN US AS 09/857,382



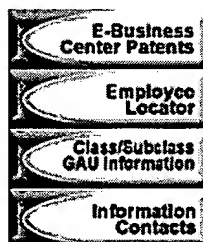
United States Patent and Trademark Office

[Home](#) | [Site Index](#) | [Search](#) | [Guides](#) | [Contacts](#) | [eBusiness](#) | [eBiz alerts](#) | [News](#) | [Help](#)

## PATENT APPLICATION INFORMATION RETRIEVAL



Other Links



PATENT APPLICATION Number: 09/857,382	
Proj. Publication Date:	
U.S. Filing or 371(c) Date:	07-23-2001
PCT Filed:	<del>04-01-1998</del> 11-30-1999
PCT Number:	PCT/JP99/06675
Title of Invention:	Hydrophilic member
Inventor Name(s):	Hidefumi Fujimoto, Fukuoka, (JP) Kazuo Takahashi, Fukuoka, (JP) Koji Takeda, Fukuoka, (JP)
Correspondence Name and Address:	GARRIER BLACKMAN AND ASSOCIATES- 24101 NOVI ROADSUITE 100 NOVI, MI 48375 (US)
Assignee Name and Address:	TOTO LTD. 1-1, Nakashima 2-chome, Kokura-Kita-ku, Kita-kyushu-shi, Fukuoka, Japan NIPPON SHEET GLASS CO., LTD. 7-28, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, Japan
Applicant Selected Figure Published:	
Other Publications of this Application:	
Parent Continuity Data:	
Foreign Application Priority Data:	DEC. 03, 1998 (JP) JAPAN.....10/343688 APR. 01, 1999 (JP) JAPAN.....11/95014

Keisuke Tanaka,  
Osaka, (JP)  
Etsuo Ogino,  
Osaka, (JP)  
Kenji Mori,  
Osaka, (JP)  
Masahiro Hirata,  
Osaka, (JP)

Request Data Change

[HOME](#) | [INDEX](#) | [SEARCH](#) | [eBUSINESS](#) | [CONTACT US](#) | [PRIVACY STATEMENT](#)

TODAY

6/17/2004 11:10 AM